

**Trade name:** Armacell (STA'-PUT) Low VOC Canister Spray Adhesive

**Current version :** 2.0.0, issued: 24.02.2022

**Replaced version:** 1.0.1, issued: 13.12.2021

**Region:** USA

## SECTION 1: Identification

### 1.1 Product identifier

**Trade name**

**Armacell (STA'-PUT) Low VOC Canister Spray Adhesive**

### 1.2 Recommended use of the chemical and restrictions on use

**Recommended use of the chemical and restrictions on use**

Professional use

Industrial Use

**Restrictions on use**

No data available.

### 1.3 Details of the supplier of the safety data sheet

**Address**

Armacell LLC

55 Vilcom Center Drive

Suite 200

Chapel Hill, NC 27514

Telephone no. +1 800 866 5638

e-mail info.sds.ai.usmca@armacell.com

### 1.4 Emergency phone number

Armacell LLC

+1 919 304 3846

## SECTION 2: Hazard(s) identification

### 2.1 Classification of the chemical

**Classification of the chemical in accordance with paragraph (d) of 29 CFR § 1910.1200 "Hazard Communication"**

Flammable Liquids - Category 2

Gases under Pressure - Liquefied gas

Eye Irritation - Category 2A

Specific Target Organ Toxicity - Single Exposure - narcotic effects - Category 3

Carcinogenicity - Category 1B

### 2.2 Label elements

**Pictogram(s)**



**Signal word**

Danger

**Hazard Statement(s)**

Physical hazards

Highly flammable liquid and vapor

Contains gas under pressure; may explode if heated

Health hazards

Causes serious eye irritation

May cause drowsiness or dizziness

May cause cancer if inhaled.

**Precautionary Statement(s)**

Prevention

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment

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Response	Use explosion-proof electrical/ventilating/ lighting/equipment. Use non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear eye protection/face protection. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. In case of fire: Use carbon dioxide (CO <sub>2</sub> ), alcohol resistant foam, extinguishing powder, water mist to extinguish.
Storage	Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	Dispose of contents/container to a facility in accordance with local and national regulations.

**2.3 Labelling information**

No data available

**2.4 Hazards not otherwise classified (HNOC)**

No data available

**SECTION 3: Composition / information on ingredients**
**3.1 Substances**

Not applicable. The product is not a substance.

**3.2 Mixtures**
**Hazardous ingredients**

No	Substance name	Concentration		%
	CAS no.			
1	<b>METHYL ACETATE</b>			
	79-20-9	>= 70.00	- < 90.00	%-b.w.
2	<b>nitrogen</b>			
	7727-37-9	>= 5.00	- < 10.00	%-b.w.

**SECTION 4: First-aid measures**
**4.1 Description of necessary first-aid measures**
**General information**

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician.

**After inhalation**

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air.

**After skin contact**

In case of contact with skin wash off immediately with soap and water.

**After eye contact**

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes).

**After ingestion**

Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

**4.2 Most important symptoms and effects, both acute and delayed**

No data available.

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**4.3 Indication of any immediate medical attention and special treatment needed**

No data available.

**SECTION 5: Fire-fighting measures**
**5.1 Extinguishing media**
**Suitable extinguishing media**

Dry chemical extinguisher; Foam; Carbon dioxide

**Unsuitable extinguishing media**

Full water jet

**5.2 Specific hazards arising from the chemical**

 Product floats on water. In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>)

**5.3 Special protective equipment and precautions for fire-fighters**

Use self-contained breathing apparatus. Wear protective clothing. Containers close to fire should be transferred to a safe place. Cool closed containers exposed to fire with water.

**SECTION 6: Accidental release measures**
**6.1 Personal precautions, protective equipment and emergency procedures**
**For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Keep away from ignition sources. Keep away from ignition sources. Keep away from ignition sources.

**For emergency responders**

Personal protective equipment (PPE) - see Section 8.

**6.2 Methods and materials for containment and cleaning up**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in suitable container for disposal.

**SECTION 7: Handling and storage**
**7.1 Precautions for safe handling**
**Precautions for safe handling**

Risks inherent to handling the product must be minimised by applying appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

**General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing.

**Advice on protection against fire and explosion**

Vapours can form an explosive mixture with air. Isolate from sources of heat, sparks and open flame. Take precautionary measures against electrostatic loading (earthing necessary during loading operations). Use explosion-proof equipment/fittings and non-sparking tools. Vapours are heavier than air and spread on the ground. Ignition possible over long distances.

**7.2 Conditions for safe storage, including any incompatibilities**
**Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place.

**Recommended storage temperature**

Value	15.5	-	35	°C
Value	60	-	95	°F

**Storage stability**

Value	1	year(s)
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**Requirements for storage rooms and vessels**

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Always keep in containers of same material as the original.

**Incompatible products**

Substances to be avoided: see chapter 10.

**SECTION 8: Exposure controls / personal protection**
**8.1 Control parameters**
**Occupational exposure limit(s)**

No	Substance name	CAS no.
1	<b>METHYL ACETATE</b>	<b>79-20-9</b>
	<b>ACGIH Threshold Limit Values</b>	
	Methyl acetate	
	STEL	250 ppm
	TWA	200 ppm
	<b>OSHA Permissible Exposure Limits (PELS)</b>	
	Methyl acetate	
	TWA	610 mg/m <sup>3</sup> 200 ppm
2	<b>nitrogen</b>	<b>7727-37-9</b>
	<b>ACGIH Threshold Limit Values</b>	
	Nitrogen	
	TWA	(D)
	Remarks	Simple asphyxiant (D); see Appendix F: Minimal Oxygen Content

**8.2 Exposure controls**
**Appropriate engineering controls**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the PEL (=Permissible Exposure Limit), suitable respiratory protection must be worn.

**Individual protection measures, such as personal protective equipment**
**Respiratory protection**

A NIOSH-approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**Eye / face protection**

Safety glasses with side protection shield

**Hand protection**

 Sufficient protection is given wearing suitable protective gloves in the event of risk of skin contact with the product. Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.
   
 Appropriate Material butyl rubber

**Other protection measures**

Chemical-resistant work clothes.

**SECTION 9: Physical and chemical properties**

<b>Form/Color</b>
liquid
clear; red
<b>Odor</b>

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solvent-like	
<b>Odor threshold</b>	
No data available	
<b>pH value</b>	
No data available	
<b>Boiling point / boiling range</b>	
Value	56 °C
Source	supplier
<b>Melting point / melting range</b>	
No data available	
<b>Decomposition point / decomposition range</b>	
No data available	
<b>Flash point</b>	
Value	-13 °C
Method	closed cup
Source	supplier
<b>Auto-ignition temperature</b>	
Value	455 °C
Source	supplier
<b>Oxidising properties</b>	
No data available	
<b>Explosive properties</b>	
No data available	
<b>Flammability</b>	
No data available	
<b>Lower flammability or explosive limits</b>	
Value	3,1 % vol
Source	supplier
<b>Upper flammability or explosive limits</b>	
Value	16,0 % vol
Source	supplier
<b>Vapor pressure</b>	
No data available	
<b>Vapor density</b>	
No data available	
<b>Evaporation rate</b>	
No data available	
<b>Relative density</b>	
Value	0,946
Source	supplier
<b>Density</b>	
Value	7,89 lbs/gallon
Source	supplier
<b>Solubility in water</b>	
No data available	
<b>Solubility(ies)</b>	
No data available	
<b>Partition coefficient: n-octanol/water</b>	

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No data available		
<b>Viscosity</b>		
No data available		
<b>Solids content</b>		
Value	0.1	%

**Other information**

<b>Other information</b>
No data available.

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No data available.

**10.2 Chemical stability**

Stable under recommended storage and handling conditions(See section 7).

**10.3 Possibility of hazardous reactions**

Dangerous reactions are not to be expected when handling product according to its intended use.

**10.4 Conditions to avoid**

Heat, open flames and other sources of ignition.

**10.5 Incompatible materials**

strong acids; strong oxidising agents; Silica gel; Amines; Peroxides; Aluminium oxide

**10.6 Hazardous decomposition products**

None, if handled according to intended use.

**SECTION 11: Toxicological information**

**Information on toxicological effects**

<b>Acute oral toxicity</b>
No data available
<b>Acute dermal toxicity</b>
No data available
<b>Acute inhalational toxicity</b>
No data available
<b>Skin corrosion/irritation</b>
No data available
<b>Serious eye damage/irritation</b>
No data available
<b>Respiratory or skin sensitisation</b>
No data available
<b>Germ cell mutagenicity</b>
No data available
<b>Reproduction toxicity</b>
No data available
<b>Carcinogenicity</b>
No data available
<b>NTP Report on Carcinogens (RoC)</b>
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed "known" (to be a human carcinogen) or "RAHC" (reasonably anticipated to be a human carcinogen).

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**OSHA Standards listing cancer as a health effect (Table VII.6.2)**  
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed as carcinogenic.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans**  
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) classified by the IARC Monographs.

**STOT - single exposure**  
No data available

**STOT - repeated exposure**  
No data available

**Aspiration hazard**  
No data available

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Toxicity to fish (acute)**  
No data available

**Toxicity to fish (chronic)**  
No data available

**Toxicity to Daphnia (acute)**  
No data available

**Toxicity to Daphnia (chronic)**  
No data available

**Toxicity to algae (acute)**  
No data available

**Toxicity to algae (chronic)**  
No data available

**12.2 Persistence and degradability**  
No data available.

**12.3 Bioaccumulative potential**  
No data available.

**12.4 Mobility in soil**  
No data available.

**12.5 Other adverse effects**  
No data available.

**12.6 Other information**

**Other information**  
Do not discharge product unmonitored into the environment.

**SECTION 13: Disposal considerations**

**13.1 Disposal considerations**

**Product**  
Dispose in accordance with federal, state and local regulations.

**Packaging**  
Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in accordance with federal, state and local regulations.

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**SECTION 14: Transport information**
**14.1 US DOT (Department of Transportation)**

Transport hazard class	2.1
UN/NA number	UN3161
UN proper shipping name	Liquefied gas, flammable, n.o.s.
Label code(s)	2.1
Danger releasing substance	methyl-acetate

**14.2 Transport IMDG**

Class	2.1
UN number	UN3161
Proper shipping name	LIQUEFIED GAS, FLAMMABLE, N.O.S.
Danger releasing substance	methyl-acetate
EmS	F-D, S-U
Label	2.1

**14.3 Transport ICAO-TI / IATA**

Class	2.1
UN number	UN3161
Proper shipping name	Liquefied gas, flammable, n.o.s.
Danger releasing substance	methyl-acetate
Label	2.1

**14.4 Other information**

No data available.

**14.5 Environmental hazards**

Information on environmental hazards, if relevant, pls. see 14.1 - 14.3.

**14.6 Special precautions for user**

No data available.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not relevant

**SECTION 15: Regulatory information**
**15.1 US Federal Regulations**
**Toxic Substances Control Act (TSCA)**

According to the data available and/or specifications supplied by upstream suppliers, all components of this product are on the TSCA Inventory or are exempted from notification requirements.

**CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being subject to Table 302.4 "List of Hazardous Substances and Reportable Quantities".

**Clean Air Act (CAA): Hazardous Air Pollutants (HAPS)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being "Hazardous Air Pollutants".

**Clean Water Act (CWA) Section 307 (Toxic Pollutants) and Section 311 (Hazardous Substances)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered to be "Hazardous Substances".

**EPCRA SARA Section 313, Toxic Chemical Release Inventory**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being subject to "SARA Reporting".

**Emergency Planning & Community Right-to-Know Act (EPCRA) - Sections 302 and 304**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being subject to reporting requirements.



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**Clean Air Act (CAA) - Section 602 Ozone depleting substances**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed as ozone depleting substance.

**Volatile organic compounds (VOC)**

Value	2,50 g/L
	0

**EPA Method 24 VOC**

Value	71,7 % (m)
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**NFPA Rating**

Health	2
Flammability	4
Reactivity	0

**15.2 US State Regulations**
**Pennsylvania State Right to Know Hazardous Substance List**

The product contains following substance(s) that are considered to be "Hazardous Substances".

No	Substance name	CAS no.
1	METHYL ACETATE	79-20-9
2	nitrogen	7727-37-9

**New Jersey State Right to Know Hazardous Substance List**

The product contains following substance(s) that are considered to be "Hazardous Substances".

No	Substance name	CAS no.
1	METHYL ACETATE	79-20-9
2	nitrogen	7727-37-9

**Massachusetts State Right to Know Hazardous Substance List**

The product contains following substance(s) that are considered to be "Hazardous Substances".

No	Substance name	CAS no.
1	METHYL ACETATE	79-20-9
2	nitrogen	7727-37-9

**California Code of Regulations Title 8 §339, Hazardous Substances List**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered to be "Hazardous Substances".

**Right to Know - California State - Proposition 65**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered to be "Hazardous Substances".

**15.3 Further regulations**

According to the information available to the supplier of the data sheet, this product contains no ingredients listed in the Red List of the Living Building Challenge.

**SECTION 16: Other information, including date of preparation or last revision**
**16.1 Other information**

No data available.

**16.2 Date of preparation/revision of the SDS**

Current version	2.0.0	24.02.2022
Replaced version	1.0.1	13.12.2021

**16.3 Department issuing safety data sheet**

UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: umco@umco.de

**16.4 Conclusions**

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not, however, constitute a guarantee for any specific product properties and shall not establish a legally valid

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contractual relationship.

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Prod-ID 770495

## 16.5 Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists  
ATE – Acute Toxicity Estimate  
BOD - Biochemical Oxygen Demand  
CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania  
CAS - Chemical Abstracts Service  
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act  
CFR - Code of Federal Regulations (US)  
CLP - Classification, Labelling, and Packaging  
DOT - Department of Transportation Commission  
ECHA – European Chemicals Agency  
EC / EL – Effective Concentration / Effective Loading  
EPA - Environmental Protection Agency  
IARC - International Agency for Research on Cancer  
IATA - International Air Transport Association  
IBC – Intermediate Bulk Container  
ICAO - International Civil Aviation Organization  
IDL - Ingredient Disclosure List  
IDLH - Immediately Dangerous to Life and Health  
IMDG - International Maritime Dangerous Goods  
IUCLID - International Uniform Chemical Information Database  
Kow - Octanol/water partition coefficient  
LD/LC - Lethal Dose/ Lethal Concentration  
MARPOL – Marine Pollution  
MEL - Maximum Exposure Limits  
NFPA - National Fire Protection Agency  
NIOSH - National Institute for Occupational Safety and Health  
NJTSR - New Jersey Trade Secret Registry  
NOEL/NOEC – No Observed Effect Level / No Observed Effect Concentration  
NTP - National Toxicology Program  
OSHA - Occupational Safety and Health Administration  
PEL- Permissible Exposure Limit  
RCRA - Resource Conservation and Recovery Act  
SARA - Superfund Amendments and Reauthorization Act  
STEL - Short-term Exposure Limit  
STOT – Specific Target Organ Toxicity  
TDG - Transportation of Dangerous Goods  
TLV - Threshold Limit Value  
TSCA - Toxic Substances Control Act  
TWA - Time Weighted Average  
UN/NA - United Nations /North American  
US - United States  
VLE - Exposure Limit Value (Mexico)  
VOC – Volatile Organic Compounds